

Response
Serial No. 09/400,833
Attorney Docket No. 991059

AMENDMENTS TO THE CLAIMS:

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims

Claim 1 (canceled)

Claim 2 (previously presented): A machine including a workpiece-transfer device as in Claim 20, wherein the product and material-housing sections have a total length in the second horizontal direction not exceeding that of the said workpiece-machining device in the second horizontal direction.

Claim 3 (previously presented): A machine including a workpiece-transfer device as in Claim 20, wherein the rectangular coordinate movement means moves said traveling body to said product and material-housing sections so that said traveling body can be moved to position and load a material workpiece gripped by the gripping means of said traveling body, relative to a positioning member of said workpiece-machining device.

Response
Serial No. 09/400,833
Attorney Docket No. 991059

Claims 4-18 (canceled)

Claim 19 (previously presented): A machine including a workpiece-transfer device as in Claim 20, wherein said workpiece-storage device includes a skeleton-housing section in parallel with said second direction and on a side of the material-housing section opposed to said product-housing section.

Claim 20 (currently amended): A machine including a workpiece-transfer device for transferring a material workpiece and a machined product workpiece between a workpiece-machining device and a workpiece-storage device, the workpiece-transfer device loading the material workpiece on the workpiece-machining device and unloading the machined product workpiece from the workpiece-machining device, comprising:

a traveling body;

a gripping means provided on the traveling body for gripping the material workpiece and the machined product workpiece; and

a rectangular coordinate movement means for moving the traveling body in a first horizontal direction in which the workpiece-machining device and the workpiece-storage device are located in a line, and in a second horizontal direction orthogonal to the first horizontal direction, wherein the traveling body can be moved simultaneously in the first and second directions;

wherein said workpiece-storage device is provided with a product-housing section for

Response
Serial No. 09/400,833
Attorney Docket No. 991059

stacking the machined product workpiece and a material-housing section for stacking the material workpiece, the product-housing section being located parallel to the material-housing section, wherein both of the product-housing section and the material-housing section are arranged in the second horizontal direction, [[and]] wherein said traveling body is moved simultaneously and above the product-housing section and the material-housing section on the workpiece-storage device, and wherein the workpiece-machining device comprises a machining section and a workpiece-feeding device for feeding a workpiece to the machining section.

Claim 21 (new): A machine, comprising:

(i) a workpiece-machining device for machining a material workpiece into a machined product workpiece, comprising:

a machining section; and

a workpiece-feeding device for feeding a workpiece to the machining section;

and

(ii) a workpiece-storage device, comprising:

a product-housing section for stacking the machined product workpiece;

a material-housing section for stacking the material workpiece;

a traveling body;

a gripping means provided on the traveling body for gripping the material workpiece and the machined product workpiece; and

Response
Serial No. 09/400,833
Attorney Docket No. 991059

a rectangular coordinate movement means for moving the traveling body in a first horizontal direction in which the workpiece-machining device and the workpiece-storage device are located in a line, and in a second horizontal direction orthogonal to the first horizontal direction, wherein the traveling body is moved simultaneously in the first and second directions.

Claim 22 (new): A machine according to claim 21, wherein the workpiece-feeding device comprises a rail provided along the second horizontal direction, a carriage running on the rail, and a cross slide provided on the carriage such that the carriage is moved in the first horizontal direction.

Claim 23 (new): A machine according to claim 21, wherein the workpiece-storage device further comprises a skeleton-housing section for stacking a skeleton after the machining.

Claim 24 (new): A machine according to claim 23, wherein the skeleton-housing section is located in the second horizontal direction.

Claim 25 (new): A machine, comprising:

(i) a workpiece-machining device for machining a material workpiece into a machined product workpiece; and

Response
Serial No. 09/400,833
Attorney Docket No. 991059

(ii) a workpiece-storage device, comprising:

- a product-housing section for stacking the machined product workpiece;
- a material-housing section for stacking the material workpiece;
- a skeleton-housing section for stacking a skeleton after the machining;
- a traveling body;
- a gripping means provided on the traveling body for gripping the material workpiece and the machined product workpiece; and
- a rectangular coordinate movement means for moving the traveling body in a first horizontal direction in which the workpiece-machining device and the workpiece-storage device are located in a line, and in a second horizontal direction orthogonal to the first horizontal direction, wherein the traveling body is moved simultaneously in the first and second directions.

Claim 26 (new): A machine according to claim 25, wherein the skeleton-housing section is provided adjacent to the material-housing section.

Claim 27 (new): A machine according to claim 26, wherein the product-housing section and the material-housing section are located in the second horizontal direction.

Claim 28 (new): A machine according to claim 27, wherein the skeleton-housing section is

Response
Serial No. 09/400,833
Attorney Docket No. 991059

located in the second horizontal direction.

Claim 29 (new): A machine according to claim 25, wherein the workpiece-machining device comprises a machining section; and a workpiece-feeding device for feeding a workpiece to the machining section.

Claim 30 (new): A machine according to claim 29, wherein the workpiece-feeding device comprises a rail provided along the second horizontal direction, a carriage running on the rail, and a cross slide provided on the carriage such that the carriage is moved in the first horizontal direction.

Claim 31 (new): A machine according to claim 20, wherein the workpiece-feeding device comprises a rail provided along the second horizontal direction, a carriage running on the rail, and a cross slide provided on the carriage such that the carriage is moved in the first horizontal direction.